CALENDAR YEAR 2011 AFFIRMATIVE ACTION PLAN

Estimation of WIC Eligibles by County, Montana

(Model Update: February 17, 2012)

*NA: Percentages are not computed for fewer than 20 participants for statistical reliability and stability.

County	Category	Served/Need	CY 2010		CY 2011* Preliminary	
			#	Coverage Rate	#	Coverage Rate
Beaverhead	Pregnant	Served	16	24.6%	15	22.4%
		Need	65		67	
	Postpartum	Served	6	21.1%	-2	-6.9%
		Need	29		29	
	Breastfeeding	Served	12	46.2%	7	25.9%
		Need	26		27	
	Infants	Served	23	25.8%	21	22.8%
		Need	89		92	
	Children	Served	76	26.0%	63	21.5%
		Need	292		293	
	Women	Served	34	28.3%	21	17.1%
		Need	120		123	
	Total	**Served**	**133**	**26.6%**	**105**	**20.7%**
		Need	**501**		**508**	
Big Horn	Pregnant	Served	58	29.3%	58	28.2%
		Need	198		206	
	Postpartum	Served	68	69.7%	37	40.7%
		Need	98		91	
	Breastfeeding	Served	36	40.9%	20	23.5%
		Need	88		85	
	Infants	Served	191	71.3%	185	66.5%
		Need	268		278	
	Children	Served	491	54.4%	437	48.6%
		Need	902		899	
	Women	Served	162	42.2%	115	30.1%
		Need	384		382	
	Total	**Served**	**844**	**54.3%**	**737**	**47.3%**
		Need	**1,553**		**1,559**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
Blaine	Pregnant	Served	22	31.9%	20	25.0%
		Need	69		80	
	Postpartum	Served	15	31.9%	10	22.7%
		Need	47		44	
	Breastfeeding	Served	12	27.9%	8	19.5%
		Need	43		41	
	Infants	Served	57	60.6%	57	52.3%
		Need	94		109	
	Children	Served	178	43.6%	151	35.9%
		Need	408		421	
	Women	Served	49	30.8%	37	22.4%
		Need	159		165	
	Total	**Served**	**284**	**43.0%**	**245**	**35.3%**
		Need	**661**		**695**	
Broadwater	Pregnant	Served	12	30.0%	10	25.6%
		Need	40		39	
	Postpartum	Served	6	Count <20	4	Count <20
		Need	10		12	
	Breastfeeding	Served	7	Count <20	6	Count <20
		Need	9		11	
	Infants	Served	16	30.2%	23	45.1%
		Need	53		51	
	Children	Served	76	56.5%	76	53.9%
		Need	135		141	
	Women	Served	25	42.4%	19	31.1%
		Need	59		61	
	Total	**Served**	**117**	**47.5%**	**118**	**46.6%**
		Need	**247**		**253**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
Carbon	Pregnant	Served	8	14.3%	8	17.0%
		Need	56		47	
	Postpartum	Served	5	Count <20	1	Count <20
		Need	18		15	
	Breastfeeding	Served	6	Count <20	2	Count <20
		Need	16		15	
	Infants	Served	18	24.0%	14	22.6%
		Need	75		62	
	Children	Served	49	22.6%	44	19.9%
		Need	217		221	
	Women	Served	19	21.1%	10	13.0%
		Need	90		77	
	Total	**Served**	**86**	**22.5%**	**69**	**19.1%**
		Need	**381**		**361**	
Carter	Pregnant	Served	0	Count <20	0	Count <20
		Need	7		7	
	Postpartum	Served	1	Count <20	1	Count <20
		Need	3		3	
	Breastfeeding	Served	1	Count <20	1	Count <20
		Need	2		2	
	Infants	Served	1	Count <20	0	Count <20
		Need	9		10	
	Children	Served	4	13.9%	0	0.0%
		Need	29		23	
	Women	Served	2	Count <20	2	Count <20
		Need	12		12	
	Total	**Served**	**7**	**14.1%**	**2**	**4.5%**
		Need	**50**		**44**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
Cascade	Pregnant	Served	172	30.0%	137	23.7%
		Need	574		577	
	Postpartum	Served	143	51.7%	58	20.9%
		Need	277		277	
	Breastfeeding	Served	107	42.6%	44	16.9%
		Need	251		261	
	Infants	Served	400	51.7%	372	47.7%
		Need	773		780	
	Children	Served	815	32.3%	671	26.0%
		Need	2,523		2,577	
	Women	Served	422	38.3%	239	21.4%
		Need	1,102		1,115	
	Total	**Served**	**1,637**	**37.2%**	**1,282**	**28.7%**
		Need	**4,398**		**4,472**	
Chouteau	Pregnant	Served	5	9.4%	5	10.0%
		Need	53		50	
	Postpartum	Served	3	Count <20	1	Count <20
		Need	14		15	
	Breastfeeding	Served	3	Count <20	1	Count <20
		Need	13		14	
	Infants	Served	11	15.1%	9	13.2%
		Need	73		68	
	Children	Served	30	12.4%	23	10.1%
		Need	242		227	
	Women	Served	11	13.8%	8	10.3%
		Need	80		78	
	Total	**Served**	**52**	**13.2%**	**40**	**10.7%**
		Need	**395**		**373**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
Custer	Pregnant	Served	31	43.1%	31	42.5%
		Need	72		73	
	Postpartum	Served	25	66.7%	10	29.4%
		Need	38		34	
	Breastfeeding	Served	15	44.1%	10	31.3%
		Need	34		32	
	Infants	Served	64	65.3%	65	65.7%
		Need	98		99	
	Children	Served	162	51.0%	138	41.8%
		Need	318		330	
	Women	Served	71	49.3%	51	36.4%
		Need	144		140	
	Total	**Served**	**297**	**53.1%**	**254**	**44.6%**
		Need	**559**		**569**	
Daniels	Pregnant	Served	1	Count <20	3	Count <20
		Need	15		19	
	Postpartum	Served	2	Count <20	2	Count <20
		Need	8		8	
	Breastfeeding	Served	1	Count <20	1	Count <20
		Need	7		7	
	Infants	Served	5	25.0%	7	28.0%
		Need	20		25	
	Children	Served	18	30.0%	12	22.6%
		Need	60		53	
	Women	Served	4	13.3%	6	17.6%
		Need	30		34	
	Total	**Served**	**27**	**24.6%**	**25**	**22.3%**
		Need	**110**		**112**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
Dawson	Pregnant	Served	15	24.2%	11	18.0%
		Need	62		61	
	Postpartum	Served	10	39.2%	6	24.0%
		Need	26		25	
	Breastfeeding	Served	6	26.1%	4	17.4%
		Need	23		23	
	Infants	Served	34	40.5%	33	40.2%
		Need	84		82	
	Children	Served	70	30.6%	57	23.5%
		Need	229		243	
	Women	Served	31	27.9%	21	19.3%
		Need	111		109	
	Total	**Served**	**135**	**31.9%**	**111**	**25.6%**
		Need	**423**		**434**	
Deer Lodge	Pregnant	Served	22	47.8%	26	52.0%
		Need	46		50	
	Postpartum	Served	15	62.5%	13	54.2%
		Need	24		24	
	Breastfeeding	Served	11	50.0%	4	18.2%
		Need	22		22	
	Infants	Served	45	71.4%	49	69.0%
		Need	63		71	
	Children	Served	102	45.1%	81	36.7%
		Need	226		221	
	Women	Served	48	52.2%	42	43.8%
		Need	92		96	
	Total	**Served**	**195**	**51.1%**	**173**	**44.7%**
		Need	**381**		**387**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
Fallon	Pregnant	Served	3	Count <20	3	14.3%
		Need	19		21	
	Postpartum	Served	3	Count <20	2	Count <20
		Need	13		11	
	Breastfeeding	Served	2	Count <20	1	Count <20
		Need	11		10	
	Infants	Served	7	25.9%	8	26.7%
		Need	27		30	
	Children	Served	21	21.8%	16	14.5%
		Need	96		110	
	Women	Served	8	18.6%	6	14.0%
		Need	43		43	
	Total	**Served**	**36**	**21.7%**	**30**	**16.4%**
		Need	**166**		**183**	
Fergus	Pregnant	Served	20	26.7%	17	22.4%
		Need	75		76	
	Postpartum	Served	14	47.5%	3	10.3%
		Need	30		29	
	Breastfeeding	Served	14	51.9%	12	42.9%
		Need	27		28	
	Infants	Served	40	39.2%	40	38.8%
		Need	102		103	
	Children	Served	132	51.1%	127	46.9%
		Need	258		271	
	Women	Served	48	36.4%	31	23.3%
		Need	132		133	
	Total	**Served**	**220**	**44.7%**	**197**	**38.9%**
		Need	**492**		**506**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
Flathead	Pregnant	Served	185	34.4%	182	33.5%
		Need	538		543	
	Postpartum	Served	100	34.8%	60	20.8%
		Need	287		288	
	Breastfeeding	Served	134	51.5%	90	33.1%
		Need	260		272	
	Infants	Served	346	47.7%	360	49.2%
		Need	726		732	
	Children	Served	784	31.0%	612	22.6%
		Need	2,527		2,706	
	Women	Served	419	38.6%	332	30.1%
		Need	1,085		1,103	
	Total	**Served**	**1,549**	**35.7%**	**1,304**	**28.7%**
		Need	**4,338**		**4,541**	
Gallatin	Pregnant	Served	79	15.3%	70	12.6%
		Need	516		557	
	Postpartum	Served	46	16.4%	14	4.8%
		Need	281		291	
	Breastfeeding	Served	93	36.5%	64	23.4%
		Need	255		274	
	Infants	Served	182	26.0%	201	26.6%
		Need	700		757	
	Children	Served	466	18.3%	362	12.6%
		Need	2,544		2,880	
	Women	Served	218	20.7%	149	13.3%
		Need	1,052		1,122	
	Total	**Served**	**866**	**20.2%**	**711**	**14.9%**
		Need	**4,296**		**4,758**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
Garfield	Pregnant	Served	2	Count <20	4	Count <20
		Need	8		9	
	Postpartum	Served	2	Count <20	2	Count <20
		Need	5		5	
	Breastfeeding	Served	1	Count <20	0	Count <20
		Need	4		4	
	Infants	Served	5	Count <20	5	Count <20
		Need	11		11	
	Children	Served	13	22.0%	12	21.8%
		Need	59		55	
	Women	Served	5	Count <20	5	Count <20
		Need	17		18	
	Total	**Served**	**23**	**26.4%**	**22**	**26.2%**
		Need	**87**		**84**	
Glacier	Pregnant	Served	79	47.6%	70	37.8%
		Need	166		185	
	Postpartum	Served	65	70.3%	49	50.5%
		Need	93		97	
	Breastfeeding	Served	23	27.4%	14	15.2%
		Need	84		92	
	Infants	Served	185	83.0%	205	82.0%
		Need	223		250	
	Children	Served	484	60.8%	428	52.5%
		Need	796		815	
	Women	Served	167	48.7%	133	35.6%
		Need	343		374	
	Total	**Served**	**836**	**61.4%**	**766**	**53.2%**
		Need	**1,361**		**1,439**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
Golden Valley	Pregnant	Served	1	Count <20	1	Count <20
		Need	4		4	
	Postpartum	Served	1	Count <20	0	Count <20
		Need	3		3	
	Breastfeeding	Served	0	Count <20	0	Count <20
		Need	2		3	
	Infants	Served	1	Count <20	1	Count <20
		Need	6		7	
	Children	Served	1	Count <20	3	15.0%
		Need	12		20	
	Women	Served	2	Count <20	2	Count <20
		Need	9		10	
	Total	**Served**	**4**	**15.0%**	**5**	**13.9%**
		Need	**27**		**36**	
Granite	Pregnant	Served	5	Count <20	3	Count <20
		Need	14		12	
	Postpartum	Served	2	Count <20	1	Count <20
		Need	5		4	
	Breastfeeding	Served	1	Count <20	2	Count <20
		Need	4		4	
	Infants	Served	5	25.0%	6	Count <20
		Need	20		17	
	Children	Served	19	25.3%	15	19.5%
		Need	75		77	
	Women	Served	8	34.8%	7	33.3%
		Need	23		21	
	Total	**Served**	**32**	**27.1%**	**28**	**24.6%**
		Need	**118**		**114**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
Hill	Pregnant	Served	57	35.8%	49	31.2%
		Need	159		157	
	Postpartum	Served	37	48.1%	19	24.1%
		Need	77		79	
	Breastfeeding	Served	30	42.9%	13	17.3%
		Need	70		75	
	Infants	Served	127	59.3%	116	55.2%
		Need	214		210	
	Children	Served	318	43.3%	260	33.1%
		Need	734		786	
	Women	Served	124	40.5%	81	26.0%
		Need	306		311	
	Total	**Served**	**569**	**45.4%**	**458**	**35.0%**
		Need	**1,254**		**1,307**	
Jefferson	Pregnant	Served	14	24.6%	18	29.0%
		Need	57		62	
	Postpartum	Served	9	29.0%	5	17.9%
		Need	31		28	
	Breastfeeding	Served	10	35.7%	5	19.2%
		Need	28		26	
	Infants	Served	31	40.3%	28	33.3%
		Need	77		84	
	Children	Served	73	29.0%	66	24.1%
		Need	252		274	
	Women	Served	33	28.4%	28	23.9%
		Need	116		117	
	Total	**Served**	**137**	**30.8%**	**121**	**25.5%**
		Need	**445**		**475**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
Judith Basin	Pregnant	Served	2	10.0%	2	10.0%
		Need	20		20	
	Postpartum	Served	1	Count <20	0	Count <20
		Need	6		7	
	Breastfeeding	Served	1	Count <20	1	Count <20
		Need	5		6	
	Infants	Served	1	3.8%	1	3.6%
		Need	26		28	
	Children	Served	11	13.0%	9	11.3%
		Need	85		80	
	Women	Served	4	12.9%	3	8.8%
		Need	31		34	
	Total	**Served**	**16**	**11.3%**	**13**	**9.3%**
		Need	**141**		**140**	
Lake	Pregnant	Served	81	38.6%	65	31.7%
		Need	210		205	
	Postpartum	Served	59	52.9%	34	31.5%
		Need	112		108	
	Breastfeeding	Served	45	44.6%	15	14.7%
		Need	101		102	
	Infants	Served	180	62.9%	191	69.0%
		Need	286		277	
	Children	Served	515	42.4%	452	36.2%
		Need	1,215		1,249	
	Women	Served	185	43.7%	114	27.4%
		Need	423		416	
	Total	**Served**	**880**	**45.7%**	**758**	**39.1%**
		Need	**1,924**		**1,941**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
Lewis & Clark	Pregnant	Served	118	29.9%	106	24.5%
		Need	394		433	
	Postpartum	Served	81	40.5%	64	31.8%
		Need	200		201	
	Breastfeeding	Served	68	37.4%	29	15.3%
		Need	182		190	
	Infants	Served	229	42.9%	241	41.1%
		Need	534		586	
	Children	Served	583	34.1%	455	24.1%
		Need	1,707		1,890	
	Women	Served	267	34.4%	199	24.2%
		Need	776		824	
	Total	**Served**	**1,079**	**35.8%**	**895**	**27.1%**
		Need	**3,017**		**3,300**	
Liberty	Pregnant	Served	2	9.5%	2	10.0%
		Need	21		20	
	Postpartum	Served	1	Count <20	2	Count <20
		Need	5		6	
	Breastfeeding	Served	1	Count <20	0	Count <20
		Need	5		6	
	Infants	Served	2	7.1%	4	14.8%
		Need	28		27	
	Children	Served	14	21.4%	14	22.2%
		Need	65		63	
	Women	Served	4	12.9%	4	12.5%
		Need	31		32	
	Total	**Served**	**20**	**16.1%**	**21**	**17.2%**
		Need	**124**		**122**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
Lincoln	Pregnant	Served	28	24.1%	33	25.8%
		Need	116		128	
	Postpartum	Served	27	43.5%	16	26.7%
		Need	62		60	
	Breastfeeding	Served	23	41.1%	8	14.3%
		Need	56		56	
	Infants	Served	73	46.5%	84	48.3%
		Need	157		174	
	Children	Served	212	39.2%	168	31.0%
		Need	541		542	
	Women	Served	78	33.3%	57	23.5%
		Need	234		243	
	Total	**Served**	**363**	**39.0%**	**308**	**32.1%**
		Need	**932**		**959**	
Madison	Pregnant	Served	3	8.1%	4	10.5%
		Need	37		38	
	Postpartum	Served	4	Count <20	0	Count <20
		Need	16		15	
	Breastfeeding	Served	4	Count <20	1	Count <20
		Need	14		14	
	Infants	Served	11	22.4%	8	15.4%
		Need	49		52	
	Children	Served	25	16.8%	15	10.1%
		Need	149		149	
	Women	Served	11	16.4%	5	7.4%
		Need	67		68	
	Total	**Served**	**47**	**17.8%**	**28**	**10.4%**
		Need	**264**		**268**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
McCone	Pregnant	Served	1	Count <20	0	Count <20
		Need	12		12	
	Postpartum	Served	1	Count <20	1	Count <20
		Need	4		5	
	Breastfeeding	Served	1	Count <20	-1	Count <20
		Need	3		4	
	Infants	Served	1	Count <20	2	Count <20
		Need	16		15	
	Children	Served	13	21.5%	9	15.5%
		Need	60		58	
	Women	Served	3	Count <20	0	0.0%
		Need	19		20	
	Total	**Served**	**17**	**17.8%**	**12**	**12.9%**
		Need	**95**		**93**	
Meagher	Pregnant	Served	2	Count <20	4	Count <20
		Need	17		18	
	Postpartum	Served	2	Count <20	1	Count <20
		Need	12		9	
	Breastfeeding	Served	1	Count <20	0	Count <20
		Need	11		9	
	Infants	Served	9	40.9%	13	56.5%
		Need	22		23	
	Children	Served	27	32.2%	20	25.3%
		Need	84		79	
	Women	Served	5	12.5%	5	13.5%
		Need	40		37	
	Total	**Served**	**41**	**28.2%**	**38**	**27.5%**
		Need	**145**		**138**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
Mineral	Pregnant	Served	12	41.4%	11	34.4%
		Need	29		32	
	Postpartum	Served	5	Count <20	2	Count <20
		Need	16		15	
	Breastfeeding	Served	6	Count <20	3	Count <20
		Need	14		14	
	Infants	Served	23	57.5%	23	53.5%
		Need	40		43	
	Children	Served	70	58.2%	66	54.1%
		Need	120		122	
	Women	Served	23	39.0%	16	26.2%
		Need	59		61	
	Total	**Served**	**116**	**53.0%**	**105**	**46.5%**
		Need	**219**		**226**	
Missoula	Pregnant	Served	235	38.8%	197	30.5%
		Need	606		645	
	Postpartum	Served	129	43.3%	68	21.9%
		Need	298		310	
	Breastfeeding	Served	160	59.3%	77	26.5%
		Need	270		291	
	Infants	Served	380	46.3%	407	46.5%
		Need	820		875	
	Children	Served	1,257	45.4%	1,022	33.3%
		Need	2,768		3,073	
	Women	Served	524	44.6%	342	27.4%
		Need	1,174		1,247	
	Total	**Served**	**2,161**	**45.4%**	**1,771**	**34.1%**
		Need	**4,762**		**5,195**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
Musselshell	Pregnant	Served	5	17.2%	4	12.9%
		Need	29		31	
	Postpartum	Served	5	Count <20	5	Count <20
		Need	11		12	
	Breastfeeding	Served	2	Count <20	3	Count <20
		Need	10		11	
	Infants	Served	14	35.9%	17	41.5%
		Need	39		41	
	Children	Served	46	42.6%	40	36.4%
		Need	108		110	
	Women	Served	12	24.0%	12	22.2%
		Need	50		54	
	Total	**Served**	**72**	**36.5%**	**69**	**33.7%**
		Need	**197**		**205**	
Park	Pregnant	Served	11	14.9%	9	10.7%
		Need	74		84	
	Postpartum	Served	7	17.3%	3	7.1%
		Need	41		42	
	Breastfeeding	Served	7	18.9%	5	12.5%
		Need	37		40	
	Infants	Served	23	23.2%	33	28.9%
		Need	99		114	
	Children	Served	70	19.2%	44	11.4%
		Need	364		387	
	Women	Served	25	16.4%	16	9.6%
		Need	152		167	
	Total	**Served**	**118**	**19.2%**	**93**	**13.9%**
		Need	**614**		**668**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
Petroleum	Pregnant	Served	1	Count <20	0	Count <20
		Need	5		4	
	Postpartum	Served	0	Count <20	1	Count <20
		Need	1		1	
	Breastfeeding	Served	1	Count <20	0	0.0%
		Need	1		0	
	Infants	Served	1	Count <20	1	Count <20
		Need	6		5	
	Children	Served	3	Count <20	2	Count <20
		Need	18		16	
	Women	Served	2	Count <20	1	Count <20
		Need	7		5	
	Total	**Served**	**6**	**19.4%**	**3**	**11.5%**
		Need	**31**		**26**	
Phillips	Pregnant	Served	8	27.6%	7	25.0%
		Need	29		28	
	Postpartum	Served	6	Count <20	5	Count <20
		Need	11		11	
	Breastfeeding	Served	8	Count <20	7	Count <20
		Need	9		10	
	Infants	Served	19	50.0%	22	57.9%
		Need	38		38	
	Children	Served	57	54.9%	55	51.4%
		Need	104		107	
	Women	Served	22	44.9%	18	36.7%
		Need	49		49	
	Total	**Served**	**98**	**51.5%**	**95**	**49.0%**
		Need	**190**		**194**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
Pondera	Pregnant	Served	14	30.4%	14	31.8%
		Need	46		44	
	Postpartum	Served	9	45.0%	-1	Count <20
		Need	20		17	
	Breastfeeding	Served	10	Count <20	10	Count <20
		Need	18		16	
	Infants	Served	32	51.6%	36	60.0%
		Need	62		60	
	Children	Served	107	52.4%	98	47.8%
		Need	204		205	
	Women	Served	33	39.3%	23	29.9%
		Need	84		77	
	Total	**Served**	**172**	**49.1%**	**156**	**45.7%**
		Need	**350**		**341**	
Powder River	Pregnant	Served	1	Count <20	0	Count <20
		Need	12		11	
	Postpartum	Served	1	Count <20	0	Count <20
		Need	3		3	
	Breastfeeding	Served	1	Count <20	1	Count <20
		Need	2		2	
	Infants	Served	1	Count <20	1	Count <20
		Need	16		14	
	Children	Served	6	10.3%	4	7.5%
		Need	58		53	
	Women	Served	3	Count <20	1	Count <20
		Need	17		16	
	Total	**Served**	**10**	**11.0%**	**6**	**7.2%**
		Need	**91**		**83**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
Powell	Pregnant	Served	14	40.0%	16	48.5%
		Need	35		33	
	Postpartum	Served	10	Count <20	3	Count <20
		Need	13		12	
	Breastfeeding	Served	9	Count <20	6	Count <20
		Need	12		12	
	Infants	Served	25	52.1%	23	51.1%
		Need	48		45	
	Children	Served	55	42.5%	43	33.9%
		Need	129		127	
	Women	Served	33	55.0%	25	43.9%
		Need	60		57	
	Total	**Served**	**113**	**47.7%**	**91**	**39.7%**
		Need	**237**		**229**	
Prairie	Pregnant	Served	1	Count <20	3	Count <20
		Need	8		13	
	Postpartum	Served	1	Count <20	2	Count <20
		Need	6		6	
	Breastfeeding	Served	2	Count <20	2	Count <20
		Need	6		6	
	Infants	Served	4	Count <20	7	Count <20
		Need	12		17	
	Children	Served	15	46.2%	16	55.2%
		Need	32		29	
	Women	Served	4	20.0%	7	28.0%
		Need	20		25	
	Total	**Served**	**23**	**35.7%**	**29**	**40.8%**
		Need	**64**		**71**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
Ravalli	Pregnant	Served	69	28.2%	63	26.5%
		Need	245		238	
	Postpartum	Served	35	30.7%	18	16.7%
		Need	114		108	
	Breastfeeding	Served	55	53.4%	26	25.5%
		Need	103		102	
	Infants	Served	133	40.1%	145	45.2%
		Need	332		321	
	Children	Served	478	44.1%	396	36.9%
		Need	1,083		1,073	
	Women	Served	159	34.4%	107	23.9%
		Need	462		447	
	Total	**Served**	**770**	**41.0%**	**647**	**35.1%**
		Need	**1,877**		**1,842**	
Richland	Pregnant	Served	9	14.5%	10	14.1%
		Need	62		71	
	Postpartum	Served	8	25.8%	0	0.0%
		Need	31		33	
	Breastfeeding	Served	6	21.4%	-1	-3.2%
		Need	28		31	
	Infants	Served	29	34.5%	25	26.0%
		Need	84		96	
	Children	Served	62	22.7%	40	13.7%
		Need	274		293	
	Women	Served	23	19.0%	9	6.7%
		Need	121		134	
	Total	**Served**	**114**	**23.8%**	**73**	**14.0%**
		Need	**479**		**523**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
Roosevelt	Pregnant	Served	48	33.1%	32	21.9%
		Need	145		146	
	Postpartum	Served	18	22.4%	14	19.4%
		Need	81		72	
	Breastfeeding	Served	10	13.7%	3	4.5%
		Need	73		67	
	Infants	Served	151	77.0%	142	71.4%
		Need	196		199	
	Children	Served	367	52.4%	288	39.3%
		Need	701		732	
	Women	Served	76	25.4%	49	17.2%
		Need	299		285	
	Total	**Served**	**594**	**49.7%**	**480**	**39.5%**
		Need	**1,195**		**1,216**	
Rosebud	Pregnant	Served	45	46.9%	40	40.8%
		Need	96		98	
	Postpartum	Served	33	69.5%	25	52.1%
		Need	48		48	
	Breastfeeding	Served	35	81.4%	18	40.0%
		Need	43		45	
	Infants	Served	104	79.4%	112	84.2%
		Need	131		133	
	Children	Served	340	77.0%	292	65.5%
		Need	441		446	
	Women	Served	113	60.4%	83	43.2%
		Need	187		192	
	Total	**Served**	**557**	**73.4%**	**487**	**63.2%**
		Need	**759**		**770**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
Sanders	Pregnant	Served	19	33.3%	20	33.3%
		Need	57		60	
	Postpartum	Served	11	32.8%	2	5.7%
		Need	34		35	
	Breastfeeding	Served	18	60.0%	14	42.4%
		Need	30		33	
	Infants	Served	40	52.6%	45	56.3%
		Need	76		80	
	Children	Served	162	55.0%	152	47.4%
		Need	295		321	
	Women	Served	48	39.7%	35	27.3%
		Need	121		128	
	Total	**Served**	**250**	**50.9%**	**232**	**44.0%**
		Need	**491**		**527**	
Sheridan	Pregnant	Served	3	9.7%	5	16.1%
		Need	31		31	
	Postpartum	Served	4	Count <20	1	Count <20
		Need	10		9	
	Breastfeeding	Served	4	Count <20	4	Count <20
		Need	8		8	
	Infants	Served	15	34.9%	16	38.1%
		Need	43		42	
	Children	Served	41	34.9%	37	33.3%
		Need	117		111	
	Women	Served	11	22.4%	10	20.8%
		Need	49		48	
	Total	**Served**	**67**	**32.1%**	**64**	**31.8%**
		Need	**209**		**201**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
Silver Bow	Pregnant	Served	73	30.5%	67	29.1%
		Need	239		230	
	Postpartum	Served	60	58.3%	47	49.0%
		Need	103		96	
	Breastfeeding	Served	35	37.6%	14	15.4%
		Need	93		91	
	Infants	Served	172	53.3%	186	59.8%
		Need	323		311	
	Children	Served	348	35.9%	266	27.0%
		Need	969		984	
	Women	Served	168	38.6%	128	30.6%
		Need	435		418	
	Total	**Served**	**688**	**39.8%**	**580**	**33.9%**
		Need	**1,727**		**1,713**	
Stillwater	Pregnant	Served	6	11.3%	2	3.8%
		Need	53		52	
	Postpartum	Served	6	27.9%	5	22.7%
		Need	22		22	
	Breastfeeding	Served	4	20.0%	5	23.8%
		Need	20		21	
	Infants	Served	18	25.0%	24	34.3%
		Need	72		70	
	Children	Served	49	20.5%	45	17.8%
		Need	239		253	
	Women	Served	16	16.8%	12	12.8%
		Need	95		94	
	Total	**Served**	**83**	**20.5%**	**81**	**19.4%**
		Need	**406**		**417**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
Sweet Grass	Pregnant	Served	1	Count <20	0	Count <20
		Need	16		13	
	Postpartum	Served	1	Count <20	-2	Count <20
		Need	7		6	
	Breastfeeding	Served	1	Count <20	0	Count <20
		Need	6		6	
	Infants	Served	6	26.1%	4	Count <20
		Need	23		19	
	Children	Served	12	13.5%	5	5.7%
		Need	89		87	
	Women	Served	3	10.3%	-2	-7.7%
		Need	29		26	
	Total	**Served**	**21**	**15.0%**	**7**	**5.3%**
		Need	**140**		**132**	
Teton	Pregnant	Served	7	12.5%	2	4.0%
		Need	56		50	
	Postpartum	Served	4	Count <20	3	Count <20
		Need	17		16	
	Breastfeeding	Served	3	Count <20	-2	Count <20
		Need	15		15	
	Infants	Served	13	17.6%	13	19.7%
		Need	74		66	
	Children	Served	45	22.0%	42	20.8%
		Need	204		202	
	Women	Served	14	15.9%	3	3.7%
		Need	88		81	
	Total	**Served**	**72**	**19.7%**	**58**	**16.7%**
		Need	**366**		**348**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
Toole	Pregnant	Served	9	22.0%	7	17.5%
		Need	41		40	
	Postpartum	Served	6	Count <20	0	Count <20
		Need	16		14	
	Breastfeeding	Served	2	Count <20	2	Count <20
		Need	14		13	
	Infants	Served	17	30.4%	17	31.5%
		Need	56		54	
	Children	Served	36	27.5%	30	22.9%
		Need	131		131	
	Women	Served	17	23.9%	8	11.9%
		Need	71		67	
	Total	**Served**	**70**	**27.2%**	**55**	**21.9%**
		Need	**258**		**251**	
Treasure	Pregnant	Served	2	Count <20	1	Count <20
		Need	6		7	
	Postpartum	Served	1	Count <20	1	Count <20
		Need	2		2	
	Breastfeeding	Served	2	Count <20	1	Count <20
		Need	2		2	
	Infants	Served	2	Count <20	3	Count <20
		Need	8		9	
	Children	Served	11	Count <20	12	Count <20
		Need	20		19	
	Women	Served	5	Count <20	2	Count <20
		Need	10		11	
	Total	**Served**	**18**	**47.9%**	**17**	**44.7%**
		Need	**38**		**38**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
Valley	Pregnant	Served	9	19.1%	3	7.3%
		Need	47		41	
	Postpartum	Served	6	Count <20	-2	Count <20
		Need	17		16	
	Breastfeeding	Served	8	Count <20	3	Count <20
		Need	15		15	
	Infants	Served	26	41.9%	20	36.4%
		Need	62		55	
	Children	Served	79	40.2%	60	30.2%
		Need	197		199	
	Women	Served	23	29.1%	4	5.6%
		Need	79		72	
	Total	**Served**	**128**	**37.9%**	**84**	**25.8%**
		Need	**338**		**326**	
Wheatland	Pregnant	Served	2	Count <20	2	10.0%
		Need	15		20	
	Postpartum	Served	2	Count <20	2	Count <20
		Need	12		11	
	Breastfeeding	Served	3	Count <20	2	Count <20
		Need	10		10	
	Infants	Served	9	45.0%	10	37.0%
		Need	20		27	
	Children	Served	12	17.2%	11	16.4%
		Need	70		67	
	Women	Served	7	18.9%	7	17.1%
		Need	37		41	
	Total	**Served**	**28**	**22.2%**	**27**	**20.1%**
		Need	**126**		**134**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
Wibaux	Pregnant	Served	1	Count <20	1	Count <20
		Need	5		6	
	Postpartum	Served	1	Count <20	0	Count <20
		Need	4		3	
	Breastfeeding	Served	1	Count <20	1	Count <20
		Need	3		2	
	Infants	Served	2	Count <20	2	Count <20
		Need	7		8	
	Children	Served	6	25.0%	4	16.7%
		Need	24		24	
	Women	Served	3	Count <20	1	Count <20
		Need	12		12	
	Total	**Served**	**11**	**25.9%**	**7**	**15.9%**
		Need	**42**		**44**	
Yellowstone	Pregnant	Served	273	27.6%	247	23.0%
		Need	989		1,076	
	Postpartum	Served	213	42.2%	111	21.9%
		Need	505		506	
	Breastfeeding	Served	165	36.0%	130	27.4%
		Need	458		475	
	Infants	Served	641	47.7%	650	44.7%
		Need	1,345		1,454	
	Children	Served	1,392	31.7%	1,227	25.6%
		Need	4,396		4,800	
	Women	Served	651	33.4%	488	23.7%
		Need	1,952		2,058	
	Total	**Served**	**2,684**	**34.9%**	**2,366**	**28.5%**
		Need	**7,693**		**8,311**	

County	Category	Served/Need	#	Coverage Rate	#	Coverage Rate
MT State	Pregnant	Served	1,922	29.1%	1,716	25.0%
		Need	6,616		6,876	
	Postpartum	Served	1,336	41.0%	723	22.3%
		Need	3,262		3,246	
	Breastfeeding	Served	1,227	41.5%	695	22.8%
		Need	2,956		3,052	
	Infants	Served	4,200	46.9%	4,333	46.6%
		Need	8,955		9,303	
	Children	Served	10,908	36.4%	9,091	28.7%
		Need	29,994		31,723	
	Women	Served	4,485	34.9%	3,134	23.8%
		Need	12,849		13,190	
	Total	Served	19,593	37.8%	16,558	30.5%
		Need	51,783		54,201	

Description of Method of WIC Participation and Potentially Eligibles

Given the goals of improving access overall among counties, as well as the federal government's intent that states strive to serve all eligible clients, this method for estimating eligible WIC Participation is based on caseload distribution (WIC participation) and historical data from other sources.

This approach builds upon aspects of an estimation methodology developed originally for Washington State by the *Clegg & Associates and Calculated Risk (C&A and CR)* consulting groups. The *C&A and CR* conducted research, reviewed methods used by other states, and incorporated certain adjustment factors set forth in the Panel to Review the USDA Methodology for Estimating Eligibility and Participation for the WIC Program. This method includes enhancements that reflect population characteristics and data sources specific to Montana State. Estimates from this method represent of potentially eligible individuals over a 12-month calendar year by county of residence.

Part I: Estimating Eligible Infants (ages 0 up to 1 year)

The estimates of the number of WIC-eligible infants are the basis for subsequent estimates of eligible children and women.

A. Baseline Count – Infants (Annual Births)

The methodology starts with the annual number of births as recorded by the Department of Public Health and Human Services (DPHHS). These records are organized according to the mothers' county of residence at the time of birth.

B. Adjustment Procedure to Improve the Count Accuracy – Infants

The methodology introduces an adjustment for county-specific counts. We do this in the following way:

Step 1: We arrive at county-specific estimates of children ages 1-4 as the sum of all live births for the appropriate prior 4 years based on DPHH birth records, and add to the annual birth count for given year.
(Example: births from: 06+07+08+09+10 (children aged: 1yr, 2yrs, 3ry, 4yrs, <1yr)=total children 0-4yrs in 2010)

Step 2: We obtain county-specific estimates of children ages 0-4 from the inter-US Census year population.

Step 3: We compare county-specific totals based on birth records of children ages 0-4 (step 1) to the county-specific estimates of children ages 0-4 from inter-US Census (step 2).

Step 4: We interpret the difference between these two population counts. The estimated numbers may increase or decrease to reflect the percentage deviation existing between DPHH and US Census projections for the 0-4 age group.
(Example: 100-200= (-100), estimate of #Net In/(Out) Migration; 100/200=50% Estimate of % Net In/(Out) Migration)
These adjustments occur at the county level for all counties.

C. Estimating Infants in Poverty – Infants

After deriving county-level estimates of infants under age one, we next approximate the percentage in households below 185% Federal Poverty Level (FPL). We refer to the 2000 Census as a starting point. By matching census counts by county for the 0-4 age group with similar counts for the 0%-185% FPL stratum, we calculate a poverty rate for each county. We apply this percentage to the estimated number of infants derived above, assuming that the poverty rate for infants is the same as the poverty rate for children ages 0-4. Because these poverty rates may have increased since the 2000 Census, we refer to the March Supplement of the Current Population Survey (CPS), which reflects economic conditions from the previous year. For each county, we compare the poverty rate derived from the 2000 Census with the more current CPS percentage of children under 185% of FPL for Montana State. If the CPS percentage is higher than the percentage from the census, we instead use the CPS poverty rate for the county. Note that because the CPS is a survey, it is less comprehensive and accurate than the census. We therefore construct a confidence range that reflects the survey's sample size. In order to forecast WIC eligible more inclusively, we use the upper limit of this range when comparing the CPS and census poverty rates.
Lack of annual data by county and by age for infants and children <185% Federal Poverty Level (FPL), does not allow to accurately account for the number of infants and children who live in households <185% FPL.

D. Increase for **Adjunctive Eligibility** - Infants

Infants on Medicaid, TANF (Temporary Assistance for Needy Families), and the Food Stamp Program are eligible for the WIC Program regardless of their households' income

status. We begin by using the adjunctive eligibility factor recommended in the Panel to Review the USDA Methodology for Estimating Eligibility and Participation for the WIC Program. This static and national adjustment factor increases the number of infants eligible for WIC by 31%

We initially boost our county-specific estimates of infants in poverty by this factor. Next, we refer to two separate tallies of infants: (1) the unique enrollment counts by county for Montana State infants (up to one year old) in all Categorically Needy and Medically Needy program categories, and (2) the unique counts by county for infants who are not enrolled in Medicaid but are receiving food stamps. For each county, we sum these two tallies of non-overlapping infants. If the sum exceeds the county-specific results obtained from applying only the USDA panel adjustment for adjunctive eligibility above, we use Medicaid enrollment plus Food Stamp Program participants to reflect those infants potentially eligible for WIC. This step assumes that WIC-eligible people under 185% of FPL are already enrolled in these Medicaid programs. It also assumes that TANF enrollees are contained within the Categorically Needy programs.

E. Increase for Eligibility using **Monthly vs. Annual Income** – Infants

Monthly income is more volatile than annual income, especially for the poor. As a result, more people are eligible for WIC when evaluated using monthly income rather than annual income. Our use of poverty rates from the census represents annual income. To account for the increased eligibility that would result from evaluating monthly income for program applicants, we adopt a recommendation from the previously referenced USDA panel report. It boosts the number of eligible infants by 18%.

Part II: Estimating Eligible Children (ages 1 through 4 years)

A. Baseline Counts - Children

We estimate the number of children ages 1-4 as the sum of all live births for the appropriate prior four years based on DPHH birth records. As with the infant baseline estimates, these estimates are county-specific.

B. Adjustment Procedure to Improve the Count Accuracy – Children

The methodology introduces an adjustment for county-specific counts. We do this in the following way:

Step 1: We arrive at county-specific estimates of children ages 1-4 as the sum of all live births for the appropriate prior 4 years based on DPHH birth records, and add to the annual birth count for given year.
(Example: births from: 06+07+08+09+10 (children aged: 1yr, 2yrs, 3ry, 4yrs, <1yr)=total children 0-4yrs in 2010)

Step 2: We obtain county-specific estimates of children ages 0-4 from the inter-US Census year population.

Step 3: We compare county-specific totals based on birth records of children ages 0-4 (step 1) to the county-specific estimates of children ages 0-4 from inter-US Census (step 2).

Step 4: We interpret the difference between these two population counts. The estimated numbers may increase or decrease to reflect the percentage deviation existing between DPHH and US Census projections for the 0-4 age group.
(Example: 100-200= (-100), estimate of #Net In/(Out) Migration; 100/200=50% Estimate of % Net In/(Out) Migration)
These adjustments occur at the county level for all counties.

C. Estimating Children in Poverty - Children

After deriving county-level estimates of children ages 1-4, we next approximate the percentage in households below 185% FPL. We refer to the 2000 Census as a starting point. By matching census counts by county for the 0-4 age group with similar counts for the 0%-185% FPL stratum, we calculate a poverty rate for each county. We apply this percentage to our estimated number of children ages 1-4 derived above. We assume that the poverty rate for children ages 1-4 is the same as the poverty rate for children ages 0-4. Because these poverty rates may have increased since the 2000 Census, we refer to the March Supplement of the CPS, which reflects economic conditions from the previous year. For each county, we compare the poverty rate derived from the 2000 Census with the more current CPS percentage of children under 185% of FPL for Montana State. If the CPS percentage is higher than the percentage from the census, we instead use the CPS poverty rate for the county. Note that because the CPS is a survey, it is less comprehensive and accurate than the census. We therefore construct a confidence range that reflects the survey's sample size. In order to forecast WIC eligible more inclusively, we use the upper limit of this range when comparing the CPS and census poverty rates.

D. Increase for **Adjunctive Eligibility** - Children

Children on Medicaid, TANF, and the Food Stamp Program are eligible for the WIC Program, regardless of their households' income status. We begin by using the adjunctive eligibility factor recommended in the Panel to Review the USDA Methodology for Estimating Eligibility and Participation for the WIC Program. This static and national adjustment factor increases the number of children eligible for WIC by 23%. We initially boost our county specific estimates of children in poverty by this factor. Next, we refer to two separate tallies of children ages 1-4: (1) the unique enrollment counts by county for Montana State children in all Categorically Needy and Medically Needy program categories and (2) the unique counts by county for children who are not enrolled in Medicaid but are receiving food stamps.
For each county, we sum these two tallies of non-overlapping children. If the sum exceeds the county-specific results obtained from applying only the USDA panel adjustment for adjunctive eligibility above, we use the Medicaid enrollment plus Food Stamp Program participants to reflect those children potentially eligible for WIC. This step assumes that WIC-eligible people under 185% of FPL are already enrolled in these Medicaid programs. It also assumes that TANF enrollees are contained within the Categorically Needy programs.

E. Increase for Eligibility using **Monthly vs. Annual Income** - Children

Monthly income is more volatile than annual income, especially for the poor. As a result, more people are eligible for WIC when evaluated using monthly income rather than annual income. Our use of poverty rates from the census represents annual income. To account for the increased eligibility that would result from evaluating monthly income for program

applicants, we adopt a recommendation in the previously referenced USDA panel report. It boosts the number of eligible infants by 1%.

Part III: Estimating Eligible Women

The estimated number of women eligible for WIC in a given year is inferred from the number of WIC-eligible infants derived in Methodology, Part I. WIC-eligible women can be split into three non-overlapping sub-groups:

1. Women who are pregnant at any time during the year
2. Breastfeeding, post-partum mothers who gave birth during the prior year
3. Non-breastfeeding, post-partum mothers who gave birth during the prior year

Rather than assume all infants born in a given year had different mothers, the method uses county-specific plural birth data made available by DPHHS to reduce slightly the number of women relative to infants. This approach does not directly account for miscarriages or maternal deaths. The USDA conclude that multiple and fetal and infant deaths do nearly cancel each other. [1] Because of the confidence ranges that surround the "point estimates" produced by this methodology, we are confident that the error associated with miscarriages and deaths will be contained within the range, so long as the confidence range is chosen reasonably.

1. Women Who are Pregnant at Any Time in the Year

The number of eligible infants resulting from Methodology, Part I are used. Using the overall rate of plural births recorded for each county, we calculated the number of pregnant women associated with the infants born in the given year.

To this figure, we add an estimate of the number of women pregnant in the current year but who will not give birth until the following year. We estimate this component by allowing that 39/52 (75%) (39 weeks average pregnancy in MT/52 weeks in calendar year), of WIC-eligible women who become pregnant during the current year will deliver in the current year. The 39 week delivery term is based on Montana births from 2006 to 2009. The selection of "39 weeks" in this case is a user-defined variable in the model. Note that there is no allowance for seasonality in deliveries made using this approach.

2. Breastfeeding, Post-Partum Women Who Gave Birth in the Prior Year

We multiply the 6-month breastfeeding rate from the Pediatric Nutrition Surveillance System (PedNSS) specific for Montana with the annual number of eligible infants from Methodology, Part I, to estimate the number of breastfeeding women. The MT OVS plural births are employed to slightly reduce the number of women associated with newborns.

3. Non-Breastfeeding, Post-Partum Women Who Gave Birth in the Prior Year

We multiply the 6-month non-breastfeeding rate from the Pediatric Nutrition Surveillance System (PedNSS) specific for Montana with the annual number of eligible infants from

[1] USDA, The National Research Council. *Estimating Eligibility and Participation for the WIC Program.* Final Report. 2001;69.

Methodology, Part I, to estimate non-breastfeeding women. The MT OVS plural births are employed to slightly reduce the number of women associated with newborns. The total is reduced by one-half to recognize the shorter, six-month WIC eligibility period for non-breastfeeding, postpartum women.